

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|---|------------------|---------|------------------|
| S1 | 7 | "5,801,674" | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2004/09/15 14:52 |
| S2 | 202 | 345/103.ccls. | US-PGPUB; USPAT | OR | ON | 2003/08/05 15:16 |
| S3 | 5 | 345/103.ccls. and master and slave | US-PGPUB; USPAT | OR | ON | 2003/08/05 13:50 |
| S4 | 30 | (master and slave) near ic | US-PGPUB; USPAT | OR | ON | 2003/08/05 13:51 |
| S5 | 5 | ("4677317" "4970687" "4984190" "5233350" "5412644"). PN. | USPAT | OR | ON | 2003/08/05 13:52 |
| S6 | 0 | "6473059".URPN. | USPAT | OR | ON | 2003/08/05 13:57 |
| S7 | 6 | "5801674" | USPAT | OR | ON | 2003/08/05 14:20 |
| S8 | 21 | ("4679043" "4795239" "4816816" "4963860" "5051739" "5136282" "5218352" "5250931" "5376944" "5394166" "5512915" "5555001" "5563624" "5574475" "5585816" "5598178" "5598180" "5629715" "5703616" "5798741" "5801674").PN. | USPAT | OR | ON | 2003/08/05 13:59 |
| S9 | 3 | "6125286" | US-PGPUB; USPAT | OR | ON | 2003/08/05 14:21 |
| S10 | 1 | "6177917" | US-PGPUB; USPAT | OR | ON | 2003/08/05 14:22 |
| S11 | 18 | "5896575" | US-PGPUB; USPAT | OR | ON | 2003/08/05 15:01 |
| S12 | 1 | "5420600".PN. | USPAT | OR | ON | 2003/08/05 14:46 |
| S13 | 3 | "5420600".URPN. | USPAT | OR | ON | 2003/08/05 14:53 |
| S14 | 1023 | (display near2 driv\$4) and (master and slave) | US-PGPUB; USPAT | OR | ON | 2003/08/05 15:02 |
| S15 | 56 | ((display near2 driv\$4) and (master and slave)) and (select\$4 adj5 (master and slave)) | US-PGPUB; USPAT | OR | ON | 2003/08/05 15:09 |
| S16 | 16934 | (liquid adj crystal) and (driv\$4 near circuit) | US-PGPUB; USPAT | OR | ON | 2003/08/05 15:10 |
| S17 | 2257 | ((select\$4 or set\$4) adj5 (master and slave)) | US-PGPUB; USPAT | OR | ON | 2003/08/05 15:13 |
| S18 | 21 | ((liquid adj crystal) and (driv\$4 near circuit)) and (((select\$4 or set\$4) adj5 (master and slave))) | US-PGPUB; USPAT | OR | ON | 2003/08/05 15:13 |
| S19 | 1727 | 345/204 | US-PGPUB; USPAT | OR | ON | 2003/08/05 15:17 |
| S20 | 23 | 345/204 and 345/103.ccls. | US-PGPUB; USPAT | OR | ON | 2003/08/05 15:59 |
| S21 | 3 | (345/204 and 345/103.ccls.) and (master and slave) | US-PGPUB; USPAT | OR | ON | 2003/08/05 16:18 |
| S22 | 8 | ("5475397" "5610628" "5619224" "5638088" "5642133" "5677705" "5682177" "5689280").PN. | USPAT | OR | ON | 2003/08/05 16:06 |
| S23 | 3 | "5818409".URPN. | USPAT | OR | ON | 2003/08/05 16:08 |
| S24 | 12 | (Nishida near Yasuhiro).in. | US-PGPUB; USPAT | OR | ON | 2003/08/05 16:20 |
| S25 | 848 | (master and slave) adj (ic or mode or driver) | US-PGPUB; USPAT | OR | ON | 2003/08/05 17:11 |
| S26 | 140 | epson and (lcd adj3 controller) | US-PGPUB; USPAT | OR | ON | 2003/08/05 17:00 |
| S27 | 18 | "5896575" | US-PGPUB; USPAT | OR | ON | 2003/08/05 17:00 |

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|-----|---------|--|--------------------|----|----|------------------|
| S28 | 1228679 | ((master primary first main) and (slave secondary second auxiliary)) and (ic driv\$3 (integrated adj circuit)) | US-PGPUB; USPAT | OR | ON | 2003/08/05 17:24 |
| S29 | 3119 | ((master primary first) and (slave secondary second)) near (ic (integrated adj circuit)) | US-PGPUB; USPAT | OR | ON | 2003/08/06 11:47 |
| S30 | 134 | ((((master primary first) and (slave secondary second)) near (ic (integrated adj circuit))) and lcd | US-PGPUB; USPAT | OR | ON | 2003/08/06 12:04 |
| S31 | 3 | "5818409".URPN. | USPAT | OR | ON | 2003/08/06 12:00 |
| S32 | 66 | lcd and (grayscale or greyscale) and (pulse adj width adj modulation) | US-PGPUB; USPAT | OR | ON | 2003/08/06 12:12 |
| S33 | 29 | lcd and (grayscale or greyscale) same (pulse adj width adj (modulation or modulator)) | US-PGPUB; USPAT | OR | ON | 2003/08/06 12:12 |
| S34 | 29 | lcd and ((grayscale or greyscale) same (pulse adj width adj (modulation or modulator))) | US-PGPUB; USPAT | OR | ON | 2003/08/06 13:56 |
| S35 | 3 | ("5489918" "5748164" "6295109").PN. | USPAT | OR | ON | 2003/08/06 13:55 |
| S36 | 2 | ("5856818" "6288699").PN. | USPAT | OR | ON | 2003/08/06 14:07 |
| S37 | 3 | ("5489918" "5748164" "6295109").PN. | USPAT | OR | ON | 2003/08/06 14:08 |
| S38 | 50 | 345/89.cds. and lcd and (grayscale or greyscale) | US-PGPUB; USPAT | OR | ON | 2003/08/06 14:09 |
| S39 | 14 | ("4743096" "4775891" "5023603" "5414442" "5465102" "5583530" "5638091" "5745087" "5815128" "5903323" "6043801" "6094243" "6154189" "6184874").PN. | USPAT | OR | ON | 2003/08/06 14:11 |
| S40 | 5 | ("4677317" "4970687" "4984190" "5233350" "5412644").PN. | USPAT | OR | ON | 2004/03/10 09:06 |
| S41 | 29456 | ((master primary first main) and (slave secondary second auxiliary)) adj (ic driv\$3 (integrated adj circuit)) | US-PGPUB; USPAT | OR | ON | 2004/03/10 09:19 |
| S42 | 3824 | ((((master primary first main) and (slave secondary second auxiliary)) adj (ic driv\$3 (integrated adj circuit))) and electrode | US-PGPUB; USPAT | OR | ON | 2004/03/10 09:20 |
| S43 | 987 | (((((master primary first main) and (slave secondary second auxiliary)) adj (ic driv\$3 (integrated adj circuit))) and electrode) and delay | US-PGPUB; USPAT | OR | ON | 2004/03/10 09:20 |
| S44 | 439 | (((((master primary first main) and (slave secondary second auxiliary)) adj (ic driv\$3 (integrated adj circuit))) and electrode) and delay) and wir\$3 | US-PGPUB; USPAT | OR | ON | 2004/03/10 10:06 |
| S45 | 121 | (((((master primary first main) and (slave secondary second auxiliary)) adj (ic driv\$3 (integrated adj circuit))) and electrode) and delay) and wir\$3) and (lcd or (liquid adj crystal adj display)) | US-PGPUB; USPAT | OR | ON | 2004/03/10 10:06 |
| S46 | 6 | (((((master primary first main) and (slave secondary second auxiliary)) adj (ic driv\$3 (integrated adj circuit))) and electrode) and delay) and (external near2 wir\$3) | US-PGPUB; USPAT | OR | ON | 2004/03/10 10:06 |
| S47 | 6 | ("5686936" "5973658" "6163310" "6369786" "6437767" "6456353").PN. | USPAT | OR | ON | 2004/03/10 10:10 |
| S48 | 80 | 345/98-100 | US-PGPUB; USPAT | OR | ON | 2004/03/10 15:26 |
| S49 | 1553 | 345/98-100.cds. | US-PGPUB; USPAT | OR | ON | 2004/03/10 15:28 |
| S50 | 3575 | ((master primary first main) and (slave secondary second auxiliary)) near (ic (integrated adj circuit)) | US-PGPUB; USPAT | OR | ON | 2004/03/10 16:26 |
| S51 | 10 | 345/98-100.cds. and (((master primary first main) and (slave secondary second auxiliary)) near (ic (integrated adj circuit))) | US-PGPUB; USPAT | OR | ON | 2004/03/10 16:01 |
| S52 | 1130 | 345/98-100.cds. and (control\$4 near2 signal) | US-PGPUB; USPAT | OR | ON | 2004/03/10 16:02 |
| S53 | 7 | (345/98-100.cds. and (control\$4 near2 signal)) and ((master primary first main) and (slave secondary second auxiliary)) near (ic (integrated adj circuit)) | US-PGPUB; USPAT | OR | ON | 2004/03/10 16:01 |
| S54 | 8 | ("5313222" "5510805" "5585815" "5619223" "5648790" "5701136" "5710571" "5796390").PN. | USPAT | OR | ON | 2004/03/10 15:51 |

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|-----|-------|--|----------------------------|----|----|------------------|
| S55 | 10 | 345/98-100.cds. and ((master primary first main) and (slave secondary second auxiliary)) near (ic (integrated adj circuit)) | US-PGPUB; USPAT | OR | ON | 2004/03/10 16:01 |
| S56 | 2574 | ((((master primary first main) and (slave secondary second auxiliary)) near (ic (integrated adj circuit))) and (input and output) | US-PGPUB; USPAT | OR | ON | 2004/03/10 16:02 |
| S57 | 121 | (((((master primary first main) and (slave secondary second auxiliary)) near (ic (integrated adj circuit))) and (input and output)) and (internal with delay) | US-PGPUB; USPAT | OR | ON | 2004/03/10 16:02 |
| S58 | 97 | (((((master primary first main) and (slave secondary second auxiliary)) near (ic (integrated adj circuit))) and (input and output)) and (internal with delay)) and (control\$4 near2 signal) | US-PGPUB; USPAT | OR | ON | 2004/03/10 16:03 |
| S59 | 26523 | shimizu | US-PGPUB; USPAT | OR | ON | 2004/03/10 16:08 |
| S60 | 6 | "5801674" | US-PGPUB; USPAT | OR | ON | 2004/03/10 16:25 |
| S61 | 1 | "5420600".PN. | USPAT | OR | ON | 2004/03/10 16:23 |
| S62 | 3 | "5420600".URPN. | USPAT | OR | ON | 2004/03/10 16:24 |
| S63 | 618 | 345/103 | US-PGPUB; USPAT | OR | ON | 2004/03/10 16:25 |
| S64 | 7673 | ((master primary first main) and (slave secondary second auxiliary)) near (ic (integrated adj circuit) driver) | US-PGPUB; USPAT | OR | ON | 2004/03/10 16:26 |
| S65 | 34 | 345/103 and (((master primary first main) and (slave secondary second auxiliary)) near (ic (integrated adj circuit) driver)) | US-PGPUB; USPAT | OR | ON | 2004/03/10 16:26 |
| S66 | 25 | yuki near nobuyuki | US-PGPUB; USPAT; JPO | OR | ON | 2004/03/11 10:18 |
| S67 | 6 | "5801674" | US-PGPUB; USPAT | OR | ON | 2004/03/11 10:31 |
| S68 | 1488 | 345/104 | US-PGPUB; USPAT | OR | ON | 2004/03/11 10:31 |
| S69 | 28 | 345/104 and ((master primary first main) and (slave secondary second auxiliary)) adj2 (ic (integrated adj circuit) or driv\$3) | US-PGPUB; USPAT | OR | ON | 2004/03/11 11:06 |
| S70 | 1 | "5420600".PN. | USPAT | OR | ON | 2004/03/11 10:48 |
| S71 | 3 | "5420600".URPN. | USPAT | OR | ON | 2004/03/11 10:48 |
| S72 | 6 | ("3636553" "4424513" "4500880" "4692760" "4901155" "5021775").PN. | USPAT | OR | ON | 2004/03/11 10:49 |
| S73 | 13 | "5021775".URPN. | USPAT | OR | ON | 2004/03/11 10:52 |
| S74 | 4 | "5270696".URPN. | USPAT | OR | ON | 2004/03/11 11:01 |
| S75 | 9 | ("4720708" "4904990" "5021775" "5124804" "5281957" "5394171" "5448554" "5500819" "5523886").PN. | USPAT | OR | ON | 2004/03/11 11:02 |
| S76 | 49470 | ((master primary first main) and (slave secondary second auxiliary)) adj2 (ic (integrated adj circuit) or driv\$3) | US-PGPUB; USPAT | OR | ON | 2004/03/11 11:06 |
| S77 | 18022 | ((((master primary first main) and (slave secondary second auxiliary)) adj2 (ic (integrated adj circuit) or driv\$3)) and (control\$4 near3 signal) | US-PGPUB; USPAT | OR | ON | 2004/03/11 11:07 |
| S78 | 1875 | ((((master primary first main) and (slave secondary second auxiliary)) adj2 (ic (integrated adj circuit) or driv\$3)) and ((delay\$3 hold\$3) with (control\$4 near3 signal)) | US-PGPUB; USPAT | OR | ON | 2004/03/11 11:08 |
| S79 | 788 | (((((master primary first main) and (slave secondary second auxiliary)) adj2 (ic (integrated adj circuit) or driv\$3)) and ((delay\$3 hold\$3) with (control\$4 near3 signal))) and ((input\$4 and output\$4) with terminal) | US-PGPUB; USPAT | OR | ON | 2004/03/11 11:09 |
| S80 | 820 | (display adj2 control\$4) and (column with driv\$3) and reset | US-PGPUB; USPAT | OR | ON | 2004/03/11 13:26 |
| S81 | 1338 | (display adj2 control\$4) and (column with driv\$3) and (reset or clear\$3) | US-PGPUB; USPAT | OR | ON | 2004/03/11 13:26 |
| S82 | 360 | ((display adj2 control\$4) with generat\$3) and (column with driv\$3) and (reset or clear\$3) | US-PGPUB; USPAT | OR | ON | 2004/03/11 13:50 |

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|------|------|--|--------------------|----|----|------------------|
| S83 | 12 | ((display adj2 control\$4) with generat\$3) and (column with driv\$3) and (reset or clear\$3)) and (master and slave) | US-PGPUB; USPAT | OR | ON | 2004/03/11 13:53 |
| S84 | 106 | ((display adj2 control\$4) and (column with driv\$3) and (reset or clear\$3)) and (master and slave) | US-PGPUB; USPAT | OR | ON | 2004/03/11 14:00 |
| S85 | 5 | ("4677317" "4970687" "4984190" "5233350" "5412644").PN. | USPAT | OR | ON | 2004/03/11 13:54 |
| S86 | 2387 | ((master and slave) near2 (ic (integrated circuit) driv\$3)) | US-PGPUB; USPAT | OR | ON | 2004/03/11 14:00 |
| S87 | 1680 | ((master and slave) near2 (ic (integrated circuit) driv\$3))) and ((display near2 control\$4) or (control\$4 near2 signal)) | US-PGPUB; USPAT | OR | ON | 2004/03/11 14:01 |
| S88 | 955 | ((master and slave) near2 (ic (integrated circuit) driv\$3))) and ((display near2 control\$4) or (control\$4 near2 signal))) and delay | US-PGPUB; USPAT | OR | ON | 2004/03/11 14:01 |
| S89 | 1006 | ((master and slave) near2 (ic (integrated circuit) driv\$3))) and ((display near2 control\$4) or (control\$4 near2 signal))) and delay\$3 | US-PGPUB; USPAT | OR | ON | 2004/03/11 14:02 |
| S90 | 758 | ((master and slave) near2 (ic (integrated circuit) driv\$3))) and ((display near2 control\$4) or (control\$4 near2 signal))) and delay\$3) and ((select\$3 enabl\$3) same (master slave)) | US-PGPUB; USPAT | OR | ON | 2004/03/11 14:37 |
| S91 | 534 | ((master and slave) near2 (ic (integrated circuit) driv\$3))) and ((display near2 control\$4) or (control\$4 near2 signal))) and delay\$3) and ((select\$3 enabl\$3) same (master slave))) and address | US-PGPUB; USPAT | OR | ON | 2004/03/11 14:03 |
| S92 | 82 | ((master and slave) near2 (ic (integrated circuit) driv\$3))) and ((display near2 control\$4) or (control\$4 near2 signal))) and delay\$3) and ((select\$3 enabl\$3) same (master slave))) and address) and optical | US-PGPUB; USPAT | OR | ON | 2004/03/11 14:03 |
| S93 | 103 | ((master and slave) near2 (ic (integrated circuit) driv\$3))) and ((display near2 control\$4) or (control\$4 near2 signal))) and delay\$3) and ((select\$3 enabl\$3) same (master slave))) and address) and (optical or lcd) | US-PGPUB; USPAT | OR | ON | 2004/03/11 14:03 |
| S94 | 8 | ("5532965" "5903283" "6137466" "6191768" "6222518" "6275207" "6384807" "6449692").PN. | USPAT | OR | ON | 2004/03/11 14:10 |
| S95 | 659 | ((master and slave) near2 (ic (integrated circuit) driv\$3))) and ((display near2 control\$4) or (control\$4 near2 signal))) and delay\$3) and ((select\$3 enabl\$3) with (master slave)) | US-PGPUB; USPAT | OR | ON | 2004/03/11 14:38 |
| S96 | 51 | ((master and slave) near2 (ic (integrated circuit) driv\$3))) and ((display near2 control\$4) or (control\$4 near2 signal))) and delay\$3) and ((select\$3 enabl\$3) with (master slave))) and lcd | US-PGPUB; USPAT | OR | ON | 2004/03/11 14:40 |
| S97 | 12 | Isozaki near Shingo | US-PGPUB; USPAT | OR | ON | 2004/03/11 14:45 |
| S98 | 8 | "6262704" | US-PGPUB; USPAT | OR | ON | 2004/03/11 14:51 |
| S99 | 8 | ("5532965" "5903283" "6137466" "6191768" "6222518" "6275207" "6384807" "6449692").PN. | USPAT | OR | ON | 2004/03/11 14:46 |
| S100 | 1499 | 345/87.cds. | US-PGPUB; USPAT | OR | ON | 2004/03/11 14:52 |
| S101 | 13 | 345/87.cds. and (master and slave) | US-PGPUB; USPAT | OR | ON | 2004/03/11 15:02 |
| S102 | 6 | ("5686936" "5973658" "6163310" "6369786" "6437767" "6456353").PN. | USPAT | OR | ON | 2004/03/11 14:54 |
| S103 | 6 | "5801674" | US-PGPUB; USPAT | OR | ON | 2004/03/11 16:37 |
| S104 | 1 | "5420600".PN. | USPAT | OR | ON | 2004/03/11 15:04 |
| S105 | 6 | ("3636553" "4424513" "4500880" "4692760" "4901155" "5021775").PN. | USPAT | OR | ON | 2004/03/11 15:04 |
| S106 | 1 | 10/187728 | US-PGPUB; USPAT | OR | ON | 2004/03/11 16:38 |

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| S10 7 | 1 | 10/178728 | US-PGPUB; USPAT | OR | ON | 2004/03/11 16:38 |
| S10 8 | 10 | ("3947811" "4268827" "4314245" "4541066" "4687956" "4758896" "4922448" "4931791" "5077553" "5155477"). PN. | USPAT | OR | ON | 2004/03/12 10:39 |
| S10 9 | 5 | ("5307085" "5321811" "5396297" "5412777" "5523773"). PN. | USPAT | OR | ON | 2004/03/12 10:46 |
| S11 0 | 9 | "5523773".URPN. | USPAT | OR | ON | 2004/03/12 10:58 |
| S11 1 | 18120 | ((((master and slave) or (primary and secondary) or (first and second)) near2 (ic (integrated adj circuit) driver (driving adj2 circuit))) | US-PGPUB; USPAT | OR | ON | 2004/03/12 11:05 |
| S11 2 | 7772 | ((((master and slave) or (primary and secondary) or (first and second)) near2 (ic (integrated adj circuit) driver (driving adj2 circuit)))) and ((display adj2 control\$4) or (control\$4 adj2 signal)) | US-PGPUB; USPAT | OR | ON | 2004/03/12 11:06 |
| S11 3 | 1454 | (((((master and slave) or (primary and secondary) or (first and second)) near2 (ic (integrated adj circuit) driver (driving adj2 circuit)))) and ((display adj2 control\$4) or (control\$4 adj2 signal))) and (control\$3 with direction) | US-PGPUB; USPAT | OR | ON | 2004/03/12 11:06 |
| S11 4 | 707 | (((((((master and slave) or (primary and secondary) or (first and second)) near2 (ic (integrated adj circuit) driver (driving adj2 circuit)))) and ((display adj2 control\$4) or (control\$4 adj2 signal))) and (control\$3 with direction)) and ((enabl\$3 disabl\$3 select\$3 deselect\$3) with (master primary direct\$3)) | US-PGPUB; USPAT | OR | ON | 2004/03/12 11:07 |
| S11 5 | 173 | (((((((master and slave) or (primary and secondary) or (first and second)) near2 (ic (integrated adj circuit) driver (driving adj2 circuit)))) and ((display adj2 control\$4) or (control\$4 adj2 signal))) and (control\$3 with direction)) and ((enabl\$3 disabl\$3 select\$3 deselect\$3) with master) | US-PGPUB; USPAT | OR | ON | 2004/03/12 11:10 |
| S11 6 | 115 | ((((((((master and slave) or (primary and secondary) or (first and second)) near2 (ic (integrated adj circuit) driver (driving adj2 circuit)))) and ((display adj2 control\$4) or (control\$4 adj2 signal))) and (control\$3 with direction)) and ((enabl\$3 disabl\$3 select\$3 deselect\$3) with master)) and display\$3 | US-PGPUB; USPAT | OR | ON | 2004/03/12 11:10 |